**KT-LED12.5T8-48GC-830-D**

**DESCRIPTION**
12.5W T8 LED | 3000K | >83 CRI | High Efficiency

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** ~12.5W
- **COLOR TEMPERATURE:** 3000K
- **COLOR RENDERING INDEX (CRI):** >83
- **WARRANTY:** 5 Years

**PRODUCT FEATURES**
- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Approximately 50% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6’ on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

**OPERATING SPECIFICATIONS**

<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>PHOTOMETRIC CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>Color Temperature (CCT)</td>
</tr>
<tr>
<td>120-277Vac</td>
<td>3000K</td>
</tr>
<tr>
<td>~12.5W</td>
<td>Luminous Flux</td>
</tr>
<tr>
<td>&gt;0.9</td>
<td>1700 lm</td>
</tr>
<tr>
<td>Input Current</td>
<td>Color Rendering Index (CRI)</td>
</tr>
<tr>
<td>0.12A @ 120V</td>
<td>&gt;83</td>
</tr>
<tr>
<td>0.05A @ 277V</td>
<td>Efficacy</td>
</tr>
<tr>
<td>60.8</td>
<td>129 lm/W</td>
</tr>
<tr>
<td>121.6</td>
<td>Beam Angle</td>
</tr>
<tr>
<td>182.4</td>
<td>240º</td>
</tr>
<tr>
<td>243.2</td>
<td>Visible Light Area</td>
</tr>
<tr>
<td>304.6</td>
<td>325º</td>
</tr>
</tbody>
</table>

**RATED LIFE**

- **L70 (Hours):** 50,000

**SPECTRAL DISTRIBUTION**

- **Maximum Candela:** 1248.55
- Located at Horizontal Angle = 0, Vertical Angle = 0

1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)

**POLAR CANDELA DISTRIBUTION**

- **Flux (W/nm):**
  - 0.0 to 1.0
- **Wavelength (nm):**
  - 350 to 800

*Specifications subject to change. Last revised on 12.13.17*
**KT-LED12.5T8-48GC-830-D**

**T8 LED LAMP**

**WIRING DIAGRAMS**

1. Cut all existing connections to ballast as shown below and remove ballast.

**Typical Ballast Configurations:**

- **PROGRAM START**
- **PREHEAT WITH STARTER**
- **INSTANT START**

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

![Diagram of lamp dimensions](image)

**Nominal Length:** 48"  **Base Type:** G13 (Medium Bi-Pin)

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>PACKAGING STYLE</th>
<th>PACK QTY.</th>
<th>ITEM STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KT-LED12.5T8-48GC-830-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED12.5T8-48GC-830-D-CP**

Keystone Technologies  •  LED Lamp  •  Wattage  •  Lamp Type  •  Nominal Length (Inches)  •  Shatter-Proof Coated Glass  •  Series  •  Color Temp.  •  Direct Drive Series  •  Packaging Style

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